

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/533,299A
Source: 1FWJ0
Date Processed by STIC: 9/1/06

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/533,299A

DATE: 09/01/2006
TIME: 10:17:11

Input Set : A:\29029106.APP
Output Set: N:\CRF4\09012006\J533299A.raw

3 <110> APPLICANT: SKERRA, ARNE
4 FIEDLER, MARKUS
6 <120> TITLE OF INVENTION: SOLUBLE TRUNCATED POLYPEPTIDES OF THE NOGO-A PROTEIN
8 <130> FILE REFERENCE: 029029-0106
10 <140> CURRENT APPLICATION NUMBER: 10/533,299A
11 <141> CURRENT FILING DATE: 2005-04-29
13 <150> PRIOR APPLICATION NUMBER: PCT/EP02/12210
14 <151> PRIOR FILING DATE: 2002-10-31
16 <160> NUMBER OF SEQ ID NOS: 24
18 <170> SOFTWARE: PatentIn Ver. 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1163
22 <212> TYPE: PRT
23 <213> ORGANISM: Rattus norvegicus
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29 Pro Pro Arg Pro Pro Pro Ala Phe Lys Tyr Gln Phe Val Thr Glu Pro
30 20 25 30
32 Glu Asp Glu Glu Asp Glu Glu Glu Glu Asp Glu Glu Asp Asp
33 35 40 45
35 Glu Asp Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly
36 50 55 60
38 Leu Ser Ala Ala Ala Val Pro Pro Ala Ala Ala Pro Leu Leu Asp
39 65 70 75 80
41 Phe Ser Ser Asp Ser Val Pro Pro Ala Pro Arg Gly Pro Leu Pro Ala
42 85 90 95
44 Ala Pro Pro Ala Ala Pro Glu Arg Gln Pro Ser Trp Glu Arg Ser Pro
45 100 105 110
47 Ala Ala Pro Ala Pro Ser Leu Pro Pro Ala Ala Ala Val Leu Pro Ser
48 115 120 125
50 Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro Pro Pro Pro
51 130 135 140
53 Pro Ala Gly Ala Ser Pro Leu Ala Glu Pro Ala Ala Pro Pro Ser Thr
54 145 150 155 160
56 Pro Ala Ala Pro Lys Arg Arg Gly Ser Gly Ser Val Asp Glu Thr Leu
57 165 170 175
59 Phe Ala Leu Pro Ala Ala Ser Glu Pro Val Ile Pro Ser Ser Ala Glu
60 180 185 190
62 Lys Ile Met Asp Leu Met Glu Gln Pro Gly Asn Thr Val Ser Ser Gly
63 195 200 205
65 Gln Glu Asp Phe Pro Ser Val Leu Leu Glu Thr Ala Ala Ser Leu Pro
66 210 215 220

sl
P. b

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68 Ser Leu Ser Pro Leu Ser Thr Val Ser Phe Lys Glu His Gly Tyr Leu
69 225 230 235 240
71 Gly Asn Leu Ser Ala Val Ser Ser Ser Glu Gly Thr Ile Glu Glu Thr
72 245 250 255
74 Leu Asn Glu Ala Ser Lys Glu Leu Pro Glu Arg Ala Thr Asn Pro Phe
75 260 265 270
77 Val Asn Arg Asp Leu Ala Glu Phe Ser Glu Leu Glu Tyr Ser Glu Met
78 275 280 285
80 Gly Ser Ser Phe Lys Gly Ser Pro Lys Gly Glu Ser Ala Ile Leu Val
81 290 295 300
83 Glu Asn Thr Lys Glu Glu Val Ile Val Arg Ser Lys Asp Lys Glu Asp
84 305 310 315 320
86 Leu Val Cys Ser Ala Ala Leu His Ser Pro Gln Glu Ser Pro Val Gly
87 325 330 335
89 Lys Glu Asp Arg Val Val Ser Pro Glu Lys Thr Met Asp Ile Phe Asn
90 340 345 350
92 Glu Met Gln Met Ser Val Val Ala Pro Val Arg Glu Glu Tyr Ala Asp
93 355 360 365
95 Phe Lys Pro Phe Glu Gln Ala Trp Glu Val Lys Asp Thr Tyr Glu Gly
96 370 375 380
98 Ser Arg Asp Val Leu Ala Ala Arg Ala Asn Val Glu Ser Lys Val Asp
99 385 390 395 400
101 Arg Lys Cys Leu Glu Asp Ser Leu Glu Gln Lys Ser Leu Gly Lys Asp
102 405 410 415
104 Ser Glu Gly Arg Asn Glu Asp Ala Ser Phe Pro Ser Thr Pro Glu Pro
105 420 425 430
107 Val Lys Asp Ser Ser Arg Ala Tyr Ile Thr Cys Ala Ser Phe Thr Ser
108 435 440 445
110 Ala Thr Glu Ser Thr Thr Ala Asn Thr Phe Pro Leu Leu Glu Asp His
111 450 455 460
113 Thr Ser Glu Asn Lys Thr Asp Glu Lys Lys Ile Glu Glu Arg Lys Ala
114 465 470 475 480
116 Gln Ile Ile Thr Glu Lys Thr Ser Pro Lys Thr Ser Asn Pro Phe Leu
117 485 490 495
119 Val Ala Val Gln Asp Ser Glu Ala Asp Tyr Val Thr Thr Asp Thr Leu
120 500 505 510
122 Ser Lys Val Thr Glu Ala Ala Val Ser Asn Met Pro Glu Gly Leu Thr
123 515 520 525
125 Pro Asp Leu Val Gln Glu Ala Cys Glu Ser Glu Leu Asn Glu Ala Thr
126 530 535 540
128 Gly Thr Lys Ile Ala Tyr Glu Thr Lys Val Asp Leu Val Gln Thr Ser
129 545 550 555 560
131 Glu Ala Ile Gln Glu Ser Leu Tyr Pro Thr Ala Gln Leu Cys Pro Ser
132 565 570 575
134 Phe Glu Glu Ala Glu Ala Thr Pro Ser Pro Val Leu Pro Asp Ile Val
135 580 585 590
137 Met Glu Ala Pro Leu Asn Ser Leu Leu Pro Ser Ala Gly Ala Ser Val
138 595 600 605
140 Val Gln Pro Ser Val Ser Pro Leu Glu Ala Pro Pro Pro Val Ser Tyr

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141	610	615	620													
143	Asp	Ser	Ile	Lys	Leu	Glu	Pro	Glu	Asn	Pro	Pro	Pro	Tyr	Glu	Glu	Ala
144	625			630			635									640
146	Met	Asn	Val	Ala	Leu	Lys	Ala	Leu	Gly	Thr	Lys	Glu	Gly	Ile	Lys	Glu
147					645			650								655
149	Pro	Glu	Ser	Phe	Asn	Ala	Ala	Val	Gln	Glu	Thr	Glu	Ala	Pro	Tyr	Ile
150					660			665								670
152	Ser	Ile	Ala	Cys	Asp	Leu	Ile	Lys	Glu	Thr	Lys	Leu	Ser	Thr	Glu	Pro
153					675			680								685
155	Ser	Pro	Asp	Phe	Ser	Asn	Tyr	Ser	Glu	Ile	Ala	Lys	Phe	Glu	Lys	Ser
156					690			695								700
158	Val	Pro	Glu	His	Ala	Glu	Leu	Val	Glu	Asp	Ser	Ser	Pro	Glu	Ser	Glu
159	705					710			715							720
161	Pro	Val	Asp	Leu	Phe	Ser	Asp	Asp	Ser	Ile	Pro	Glu	Val	Pro	Gln	Thr
162						725			730							735
164	Gln	Glu	Glu	Ala	Val	Met	Leu	Met	Lys	Glu	Ser	Leu	Thr	Glu	Val	Ser
165						740			745							750
167	Glu	Thr	Val	Ala	Gln	His	Lys	Glu	Glu	Arg	Leu	Ser	Ala	Ser	Pro	Gln
168						755			760							765
170	Glu	Leu	Gly	Lys	Pro	Tyr	Leu	Glu	Ser	Phe	Gln	Pro	Asn	Leu	His	Ser
171						770			775							780
173	Thr	Lys	Asp	Ala	Ala	Ser	Asn	Asp	Ile	Pro	Thr	Leu	Thr	Lys	Glu	
174	785					790			795							800
176	Lys	Ile	Ser	Leu	Gln	Met	Glu	Glu	Phe	Asn	Thr	Ala	Ile	Tyr	Ser	Asn
177						805			810							815
179	Asp	Asp	Leu	Leu	Ser	Ser	Lys	Glu	Asp	Lys	Ile	Lys	Glu	Ser	Glu	Thr
180						820			825							830
182	Phe	Ser	Asp	Ser	Ser	Pro	Ile	Glu	Ile	Ile	Asp	Glu	Phe	Pro	Thr	Phe
183						835			840							845
185	Val	Ser	Ala	Lys	Asp	Asp	Ser	Pro	Lys	Leu	Ala	Lys	Glu	Tyr	Thr	Asp
186						850			855							860
188	Leu	Glu	Val	Ser	Asp	Lys	Ser	Glu	Ile	Ala	Asn	Ile	Gln	Ser	Gly	Ala
189	865					870			875							880
191	Asp	Ser	Leu	Pro	Cys	Leu	Glu	Leu	Pro	Cys	Asp	Leu	Ser	Phe	Lys	Asn
192						885			890							895
194	Ile	Tyr	Pro	Lys	Asp	Glu	Val	His	Val	Ser	Asp	Glu	Phe	Ser	Glu	Asn
195						900			905							910
197	Arg	Ser	Ser	Val	Ser	Lys	Ala	Ser	Ile	Ser	Pro	Ser	Asn	Val	Ser	Ala
198						915			920							925
200	Leu	Glu	Pro	Gln	Thr	Glu	Met	Gly	Ser	Ile	Val	Lys	Ser	Lys	Ser	Leu
201						930			935							940
203	Thr	Lys	Glu	Ala	Glu	Lys	Lys	Leu	Pro	Ser	Asp	Thr	Glu	Lys	Glu	Asp
204	945					950			955							960
206	Arg	Ser	Leu	Ser	Ala	Val	Leu	Ser	Ala	Glu	Leu	Ser	Lys	Thr	Ser	Val
207						965			970							975
209	Val	Asp	Leu	Leu	Tyr	Trp	Arg	Asp	Ile	Lys	Lys	Thr	Gly	Val	Val	Phe
210						980			985							990
212	Gly	Ala	Ser	Leu	Phe	Leu	Leu	Leu	Ser	Leu	Thr	Val	Phe	Ser	Ile	Val
213						995			1000							1005

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215 Ser Val Thr Ala Tyr Ile Ala Leu Ala Leu Ser Val Thr Ile Ser
 216 1010 1015 1020
 218 Phe Arg Ile Tyr Lys Gly Val Ile Gln Ala Ile Gln Lys Ser Asp Glu
 219 1025 1030 1035 1040
 221 Gly His Pro Phe Arg Ala Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu
 222 1045 1050 1055
 224 Glu Leu Val Gln Lys Tyr Ser Asn Ser Ala Leu Gly His Val Asn Ser
 225 1060 1065 1070
 227 Thr Ile Lys Glu Leu Arg Arg Leu Phe Leu Val Asp Asp Leu Val Asp
 228 1075 1080 1085
 230 Ser Leu Lys Phe Ala Val Leu Met Trp Val Phe Thr Tyr Val Gly Ala
 231 1090 1095 1100
 233 Leu Phe Asn Gly Leu Thr Leu Leu Ile Leu Ala Leu Ile Ser Leu Phe
 234 1105 1110 1115 1120
 236 Ser Ile Pro Val Ile Tyr Glu Arg His Gln Val Gln Ile Asp His Tyr
 237 1125 1130 1135
 239 Leu Gly Leu Ala Asn Lys Ser Val Lys Asp Ala Met Ala Lys Ile Gln
 240 1140 1145 1150
 242 Ala Lys Ile Pro Gly Leu Lys Arg Lys Ala Asp
 243 1155 1160
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 247 <211> LENGTH: 1192
 248 <212> TYPE: PRT
 249 <213> ORGANISM: Homo sapiens
 251 <400> SEQUENCE: 2
 252 Met Glu Asp Leu Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro
 253 1 5 10 15
 255 Pro Arg Pro Gln Pro Ala Phe Arg Tyr Gln Phe Val Arg Glu Pro Glu
 256 20 25 30
 258 Asp Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu Asp
 259 35 40 45
 261 Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly Leu Ser
 262 50 55 60
 264 Ala Ala Pro Val Pro Thr Ala Pro Ala Ala Gly Ala Pro Leu Met Asp
 265 65 70 75 80
 267 Phe Gly Asn Glu Phe Val Pro Pro Ala Pro Arg Gly Pro Leu Pro Ala
 268 85 90 95
 270 Ala Pro Pro Val Ala Pro Glu Arg Gln Pro Ser Trp Asp Pro Ser Pro
 271 100 105 110
 273 Val Ser Ser Thr Val Pro Ala Pro Ser Pro Leu Ser Ala Ala Ala Val
 274 115 120 125
 276 Ser Pro Ser Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro
 277 130 135 140
 279 Pro Pro Pro Pro Ala Ser Val Ser Pro Gln Ala Glu Pro Val Trp Thr
 280 145 150 155 160
 282 Pro Pro Ala Pro Ala Pro Ala Pro Pro Ser Thr Pro Ala Ala Pro
 283 165 170 175
 285 Lys Arg Arg Gly Ser Ser Gly Ser Val Asp Glu Thr Leu Phe Ala Leu
 286 180 185 190

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288 Pro Ala Ala Ser Glu Pro Val Ile Arg Ser Ser Ala Glu Asn Met Glu
289 195 200 205
291 Leu Lys Glu Gln Pro Gly Asn Thr Ile Ser Ala Gly Gln Glu Asp Phe
292 210 215 220
294 Pro Ser Val Leu Leu Glu Thr Ala Ala Ser Leu Pro Ser Leu Ser Pro
295 225 230 235 240
297 Leu Ser Ala Ala Ser Phe Lys Glu His Glu Tyr Leu Glu Asn Leu Ser
298 245 250 255
300 Thr Val Leu Pro Thr Glu Gly Thr Leu Gln Glu Asn Val Ser Glu Ala
301 260 265 270
303 Ser Lys Glu Val Ser Glu Lys Ala Lys Thr Leu Leu Ile Asp Arg Asp
304 275 280 285
306 Leu Thr Glu Phe Ser Glu Leu Glu Tyr Ser Glu Met Gly Ser Ser Phe
307 290 295 300
309 Ser Val Ser Pro Lys Ala Glu Ser Ala Val Ile Val Ala Asn Pro Arg
310 305 310 315 320
312 Glu Glu Ile Ile Val Lys Asn Lys Asp Glu Glu Glu Lys Leu Val Ser
313 325 330 335
315 Asn Asn Ile Leu His Asn Gln Gln Glu Leu Pro Thr Ala Leu Thr Lys
316 340 345 350
318 Leu Val Lys Glu Asp Glu Val Val Ser Ser Glu Lys Ala Lys Asp Ser
319 355 360 365
321 Phe Asn Glu Lys Arg Val Ala Val Glu Ala Pro Met Arg Glu Glu Tyr
322 370 375 380
324 Ala Asp Phe Lys Pro Phe Glu Arg Val Trp Glu Val Lys Asp Ser Lys
325 385 390 395 400
327 Glu Asp Ser Asp Met Leu Ala Ala Gly Gly Lys Ile Glu Ser Asn Leu
328 405 410 415
330 Glu Ser Lys Val Asp Lys Lys Cys Phe Ala Asp Ser Leu Glu Gln Thr
331 420 425 430
333 Asn His Glu Lys Asn Ser Glu Ser Ser Asn Asp Asp Thr Ser Phe Pro
334 435 440 445
336 Ser Thr Pro Glu Gly Ile Lys Asp Arg Pro Gly Ala Tyr Ile Thr Cys
337 450 455 460
339 Ala Pro Phe Asn Pro Ala Ala Thr Glu Ser Ile Ala Thr Asn Ile Phe
340 465 470 475 480
342 Pro Leu Leu Gly Asp Pro Thr Ser Glu Asn Lys Thr Asp Glu Lys Lys
343 485 490 495
345 Ile Glu Glu Lys Lys Ala Gln Ile Val Thr Glu Lys Asn Thr Ser Thr
346 500 505 510
348 Lys Thr Ser Asn Pro Phe Leu Val Ala Ala Gln Glu Ser Glu Thr Asp
349 515 520 525
351 Tyr Val Thr Thr Asp Asn Leu Thr Lys Val Thr Glu Glu Val Val Ala
352 530 535 540
354 Asn Met Pro Glu Gly Leu Thr Pro Asp Leu Val Gln Glu Ala Cys Glu
355 545 550 555 560
357 Ser Glu Leu Asn Glu Val Thr Gly Thr Lys Ile Ala Tyr Glu Thr Lys
358 565 570 575
360 Met Asp Leu Val Gln Thr Ser Glu Val Met Gln Glu Ser Leu Tyr Pro

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/01/2006
PATENT APPLICATION: US/10/533,299A TIME: 10:17:12

Input Set : A:\29029106.APP
Output Set: N:\CRF4\09012006\J533299A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 38,39,44,45,47,48
Seq#:10; N Pos. 50,51,53,54

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/533,299A

DATE: 09/01/2006

TIME: 10:17:12

Input Set : A:\29029106.APP

Output Set: N:\CRF4\09012006\J533299A.raw

L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0

L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0